

S5467 Attachment 2: Initial CPA Assessment Worksheet (for 2005 and Prior)

OBJECTIVE: Use this worksheet to determine if a CPA is under adequate cathodic protection and has an adequate "record of each test, survey, or inspection required by this subpart in sufficient detail to demonstrate the adequacy of corrosion control measures or that a corrosive condition does not exist."¹

CPA PERFORMANCE ASSESSMENT

Review the following questions for the CPA. If the criteria cannot be met, and cannot be adequately explained to ensure that the CPA is providing adequate protection, a complete field resurvey may be required to ensure that adequate cathodic protection is being achieved in the CPA. All the below questions need to have a **Yes** answer, or be able to be explained adequately to ensure that the CPA is performing adequately.

#	SOURCE DOCUMENT	REFERENCE PARAGRAPH	STEPS	OBSERVED OR DOCUMENTED RESULT	SOURCE OF INFORMATION	CONCLUSION	INITIALS	DATE
1	49 CFR 192	192.463(a)	Does the CPA meet all of the following criteria? 1. The lowest pipe-to-soil on-potential in the CPA is at least as negative as 850 millivolts with reference to a saturated copper-copper sulfate electrode. 2. The number of pipe-to-soil on-potential readings on the most recent saturated pipe-to-soil potential map are a minimum of one per block, or as deemed necessary by the PG&E corrosion supervisor. <i>Acceptable correction without a full resurvey: Take extra pipe-to-soil readings at the end of the system or as needed.</i>					
2	O-16	2.1	3. All pipe-to-soil potentials of routine bimonthly monitoring points in the CPA are within +/- 200 millivolts of their readings of the last resurvey date as measured on a similar month-to-month basis (e.g., compare winter readings with winter readings, summer readings with summer readings).					
3	Gas Compliance Review	4.5	4. Corrosion leakage (as measured by corrosion leak repairs per mile of protected main and services per year) has not increased in the CPA from the previous CPA Review, or the CPA has a corrosion leakage rate below two leaks per 100 miles over the past 5 years.					
4	Suggested PG&E Best Management Practice							

GAS FACILITIES DOCUMENT REVIEW

Review the following questions for the CPA. If the related gas facilities documents for the CPA indicate significant changes to the CPA since the last assessment/review, which have not been addressed to ensure the CPA is adequately protecting all pipe, then a complete or a partial field resurvey may be required to ensure that adequate cathodic protection is being achieved in the CPA.

			Does the CPA meet all of the following conditions:					
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¹ From US Federal Code, Section 49 CFR 192.491 (c)

S5457 Attachment 2: Initial CPA Assessment Worksheet (2005), continued

#	SOURCE DOCUMENT	REFERENCE PARAGRAPH	STEPS	OBSERVED OR DOCUMENTED RESULT	SOURCE OF INFORMATION	CONCLUSION	INITIALS	DATE
5	O-16	Par. 7	1. Does a review of the most recent plat sheets for the CPA indicate no jobs involving main installations or replacements occurring in the time period since the last CPA resurvey of the area? (Ensure all current requirement changes caused by plastic main installations are accounted for and take pipe-to-soil on-potential readings on potentially isolated sections of steel.)					
6	O-16	Par. 7	2. Does a review of the leak repair records in the CPA indicate that no jobs involving main replacements have occurred in the time period since the last CPA resurvey? (Ensure all current requirement changes caused by plastic main installations are accounted for and take pipe-to-soil on-potential readings on potentially isolated sections of steel.)					
PG&E MANAGEMENT REVIEW AND APPROVAL								
7	O-16		Does the PG&E corrosion supervisor concur with this assessment? Indicate if CPA needs to be field resurveyed. Use the "CPA Field Resurvey Checklist" to help conduct field resurvey. If the "Initial CPA Assessment Worksheet" indicates that CPA is providing adequate levels of cathodic protection, conduct a CPA file review, using the "CPA Resurvey File Review Form."					

Comments: (Include any comments about work done, observations, things to check in the next assessment/resurvey)